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	IRISH TERRIER.		DINGO.	GREYHOUND.
	No. 1. Oz.	No. 2. Oz.	Oz.	Oz.
9. Supinator radii longus, ^m	0·34	0·36	0·61	0·70
10. Extensor dig. commun., ⁿ	0·12	0·17	0·21	0·30
11. Extensor carpi radialis, ^o	0·04	0·06	0·09	0·09
12. Extensor carpi ulnaris, ^p	0·11	0·16	0·23	0·34
13. Supinator radii brevis,	0·03	0·03	0·07	0·06
14. Flexor dig. profundus,	0·43	0·63	1·02	1·38
15. Extensor oss. met. pollicis, ^q	0·03	0·07	0·08	0·10
16. Pronator radii qua- dratus, ^r	0·04	0·06	0·11	0·12

The Rev. SAMUEL HAUGHTON, M. D., Fellow of Trinity College, Dublin, read the following paper:—

NOTES ON ANIMAL MECHANICS.

No. XIII.—ON THE MUSCULAR ANATOMY OF THE BADGER.

THE muscles recorded in the present Note were observed in two fine specimens of the Badger (*Meles taxus*), male and female, which died in November and December, 1864, in the Gardens of the Royal Zoological Society of Ireland.

A.—Muscles of the Hind Limb (Male).

	Grs.		Grs.
1. Sartorius,	235	13. Glutæus quartus (ilio- capsularis),	20
2. Iliacus,	231	14. Tensor vaginæ femoris,	70
3. Psoas magnus, }			
4. Pectinæus,	70	15. Biceps femoris,	517
5. Adductor magnus, . .	374	16. Bicipiti accessorius (as in Lion), (6 inches long, and ribbon-like), . . .	25
6. Obturator externus, .	110	17. Semimembranosus, . .	490
7. Quadratus femoris, .	44	18. Semitendinosus, . . .	260
8. Obturator internus, et gem.,	77	19. Gracilis,	245
9. Glutæus maximus, et agi- tator caudæ,	88	20. Rectus femoris,	250
10. Glutæus medius, . .	350	21. Vastus externus, . . .	385
11. Pyriformis,	40	22. Vastus internus, . . .	105
12. Glutæus minimus, . .	20	23. Cruræus,	11

^m Inserted into near ends of index and middle metacarpals.

ⁿ Distributed chiefly to the little and ring fingers.

^o Distributed below the tendons of the *ex. dig. com.* to the little and ring fingers.

^p Inserted into the outer and near end of the metacarpal of the little finger.

^q Inserted into the inner and near end of the metacarpal of the thumb.

^r Extends along the whole length of the radius and ulna.

^s *Psoas parvus* = 142 grs.

B.—*Muscles of the Fore Limb* (Female).

	Grs.		Grs.
1. Trapezius et deltoideus clavicularis vel inter- nus,	335	8. Teres major,	94
2. Rhomboideus (with occi- pital slip),	276	9. Subscapularis, . . .	231
3. Serratus magnus, . . .	473	10. Pectoralis minor, . .	297
4. Sternomastoideus, . .	210	11. Pectoralis major, . .	210
5. Cleidomastoideus, . .	85	12. Deltoideus scapularis (externus),	88
6. Omo-atlanticus, . . .	100	13. Supraspinatus, . . .	308
		14. Infraspinatus, . . .	220
7. Latissimus dorsi, . .	652	15. Triceps humeri, . . .	858
		16. Biceps humeri, . . .	90

The Rev. SAMUEL HAUGHTON, M.D., Fellow of Trinity College, Dublin, read the following paper:—

NOTES ON ANIMAL MECHANICS.

No. XIV.—ON THE MUSCLES OF THE VIRGINIAN BEAR.

IN April, 1865, one of the fine Virginian Bears of the Zoological Gardens of Dublin, a female, having fallen into a depressed condition of health, an abscess appeared under the fascia covering the great trochanter of the right thigh, which she persisted in gnawing at to such an extent as to render her an object very unattractive to visitors to the Gardens. She was accordingly sentenced to death by the Council, and the sentence was carried into execution on the 1st of May, 1865, as follows:—

I gave her 12·4 grs. of pure strychnia, in an apple, at 3·17 P. M., and she was dead at 3·52 P. M., having exhibited the following symptoms:—

1. At 20 minutes after dose, her breathing became distressed (108 in the minute);
2. At 24 minutes, she experienced her first tetanic convulsion, the spasm of which never completely relaxed;
3. At 34 minutes, she seemed to be dead;
4. At 35 minutes, she was completely dead, and her heart had ceased to beat.

A.—*Muscles of the Hind Limb*.

	Oz. Av.		Oz. Av.
1. Iliacus, . . . }	4·90	8. Obturator internus et gemelli,	1·33
2. Psoas magnus, }	1·60	9. Glutæus maximus, . .	4·80
3. Pectinæus, . . .	14·90	10. Glutæus medius, . .	6·00
4. Adductor magnus, .	8·50	11. Pyriformis,	0·95
5. Obturator externus, .	2·10	12. Glutæus minimus, . .	0·45
6. Adductor longus, . .	0·67		
7. Quadratus femoris, .			